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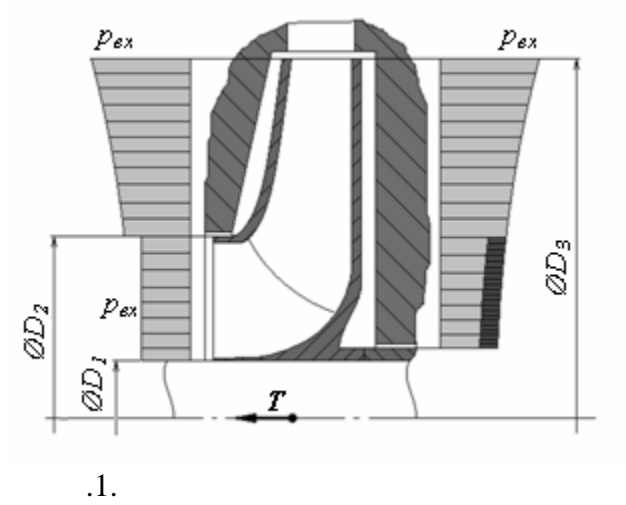
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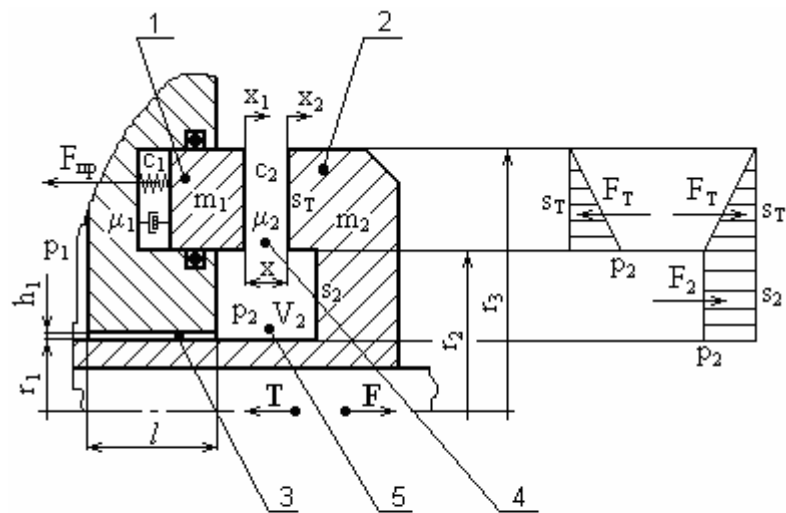
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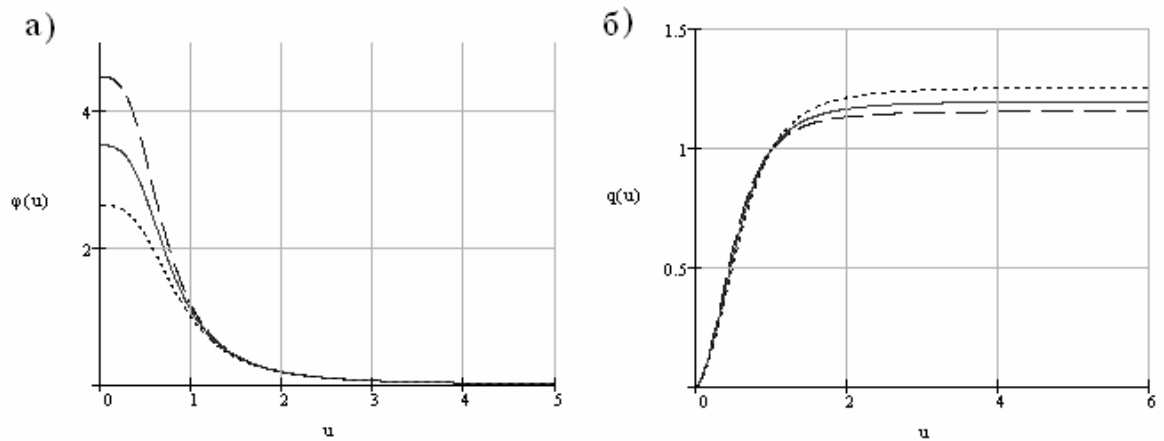
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$$\begin{cases} F + F_T = 0; \\ F_2 + F_T = T; \\ Q_1 = Q_T. \end{cases} \quad (1)$$



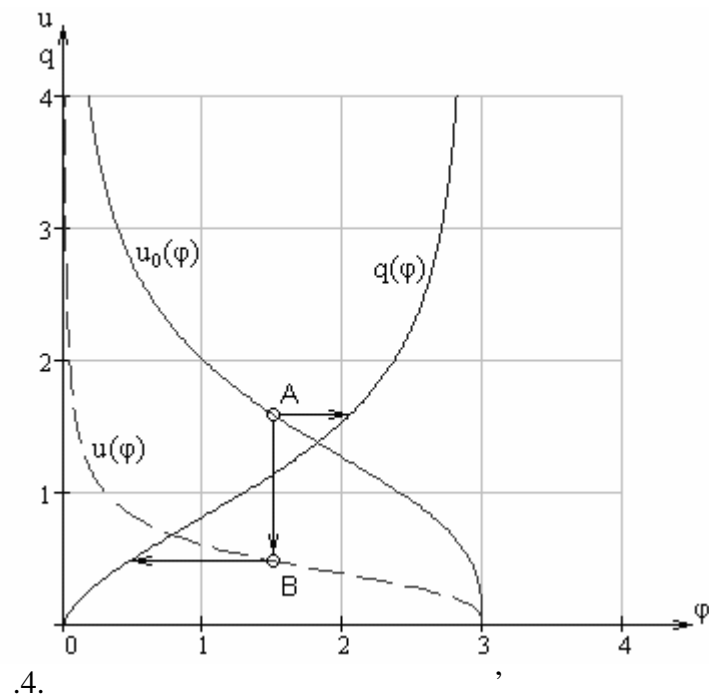
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.3.

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## SUMMARY

This article deals with mathematic model of the automatic modern device unloading axial force, which takes into account stiffness of construction elements. On the bases of this model the algorithm of calculation of basic characteristics was developed.

1. Andrzej Korczac. Badania układ w równowazach napor osiowy w wielostopniowych pompach odsrodkowych. Wyd. Politechniki Slaskiej, Gliwice. 2005 – 161p.

2. , 1987. – 256 .